

MISSOURI DEPARTMENT OF NATURAL RESOURCES WATER POLLUTION CONTROL PROGRAM P.O. BOX 176, JEFFERSON CITY, MO 65102

FOR AGENCY USE ONLY		
CHECK NO.		
DATE RECEIVED	FEE SUBMITTED	

FORM UIC - APPLICATION FOR CLASS V PERMIT

PART A - DO NOT ATTEMPT TO COMPLET	E THIS FORM BEFORE	READING THE AC	COMPANYING INSTRUCT	IONS.
1.00 ACTION REQUESTED				
Construction Permit Application Op 2.00 FACILITY INFORMATION	perating Permit Application			
FACILITY INFORMATION			TELEPHONE NUMBER	
ADDRESS			FAX NUMBER	
2.1 CONSTRUCTION PERMIT NUMBER, IF APPLICABLE				
2.2 OPERATING PERMIT NUMBER, IF APPLICABLE				
2.3 FACILITY LOCATION (ATTACH A 1" = 2000' SCALE USGS TO	POGRAPHIC MAP SHOWING LOCATI	ON)		
1/4, 1/4, SEC	TOWNSHIP	RANGE		COUNTY
3.00 OWNER INFORMATION			TELEBLIONE NUMBER	
OWNER NAME			TELEPHONE NUMBER	
ADDRESS			FAX NUMBER	
4.00 CONTINUING AUTHORITY INFORMAT	TON		TELEBLIONE NUMBER	
NAME			TELEPHONE NUMBER	
ADDRESS			FAX NUMBER	
5.00 FACILITY CONTACT INFORMATION				
NAME	TITLE		TELEPHONE NUMBER	
6.00 GENERAL INFORMATION				
6.1 BRIEF DESCRIPTION OF PURPOSE OF INJECTION. INCLUI	SE ANALIGEO AND GONGLINIANO	NO OF ANTI-OLEONANIO	TO BE TEMEDIATED. (AT FACTIVACE AT	IATE OFFICE THE NEOLOGARITY
6.2 BRIEF DESCRIPTION OF FACILITIES TO ACCOMPLISH INJE INJECTION. ALSO ATTACH MATERIAL SAFETY DATA SHEET				
				_
6.2 IE DIOLOGICAL ACENTS ARE TO BE INTRODUCED IN THE	DDOCESS A BIOLOGICAL BROSH S	AND LITEDATURE RECEA	DOLI MI ICT DE CUDMITTED MITUTUR	ADDI ICATION
6.3 IF BIOLOGICAL AGENTS ARE TO BE INTRODUCED IN THIS				
6.4 WILL THIS PROCESS INVOLVE A HAZARDOUS WASTE AS DESCRIPTION OF THE PROCESS OF	DEFINED IN 10 CSR 25-4.010?	5.5 WILL THIS PROCESS F	RESULT IN DISCHARGE TO SURFACE W If yes, an NPDES permit	

		AL INFORMATION (CONTINUED)				
6.6 HOW	MANY IO	OTAL POUNDS OF CHEMICALS OR BIOLOGIC MATERIALS WILL BE INJECTED?	,			
6.7 IF TH	IIS INJECT	ION IS INTO AN AQUIFER, HOW WILL THE INJECTED CHEMICALS BE WITHDE	RAWN OR REDUCED TO INJE	ECTION LEVELS?		
6.8 IF TH	IE CHEMIC	CALS OR BIOLOGIC AGENTS TO BE INJECTED ARE ALREADY PRESENT IN TH	IE GROUNDWATER, GIVE CO	NCENTRATIONS:		
		CHEMICAL/BIOLOGIC AGENT	PRE-IN	IJECTION CON	CENTRATION (n	ng/L)
1.			1.			
2.			2.			
3.			3.			
7.00 C	THER	WELL TYPES ON SITE			WELL STATUS	
YES	NO	TYPE	# AT LOCATION	ACTIVE	INACTIVE	INACTIVE
		ABANDONED WATER WELL		П	PLUGGED	NOT PLUGGED
		AQUIFER RECHARGE WELL				
		AQUIFER REMEDIATION WELL				
		AUTOMOBILE SERVICE STATION DISPOSAL WELL		<u> </u>		
		GROUND SOURCE HEAT PUMP (OPEN LOOP)				
		IMPROVED SINKHOLE				
		INDUSTRIAL DRAINAGE WELL				
		MINE BACKFILL WELL				
		SEPTIC TANK WITH LATERAL FIELD THAT HAS THE POTENTIAL TO BE USED BY MORE THAN 20 PEOPLE PER DAY				
		OTHER				
I		N WELLS BE CASED?			,	<u>-</u>
IF YES, A		NO MAY BE REQUIRED FROM THE GEOLOGIC SURVEY AND RESOURCE ASSESS	MENT DIVISION, P.O. BOX 25	50, ROLLA, MO, 65402-	0250 OR CALL (573) 368	J-2101.
	lovici	UDE INFORMATION				
		URE INFORMATION AL TITLE (TYPE OR PRINT)		TELEPHONE NUM	/BER	
01011.	DE			DATE OLGUES		
SIGNATU	NE			DATE SIGNED		

9.00 DATA 9.1 THIS SECTION MUST BE COMPLETED IF INJECTION IS		COMPLETED PRIOR TO INJECTION	DN. AT LEAST ONE ANALYSIS MU	ST BE PERFORMED FOR EACH
POLLUTANT LISTED. IF INJECTION IS NOT TO AN AQUIFE	ER, SKIP AND GO TO PART 9.2.	NA A VIDALIBA I	DAILYVALLIE	
POLLUTANT	MAXIMUM DAILY VALUE			
	CONCEN	NTRATION	MA	ASS
Biochemical Oxygen Demand (BOD)				
Chemical Oxygen Demand (COD)				
Total Organic Carbon (TOC)				
Ammonia as N				
Flow	VALUE			
Temperature (winter)	VALUE			
Temperature (summer)	VALUE			
рН	MINIMUM		MAXIMUM	
9.2 MARK "X" IN COLUMN (a) FOR EACH POLLUTANT YOU KI YOU MARK COLUMN (a) FOR ANY POLLUTANT, YOU MUS INSTRUCTIONS FOR ADDITIONAL DETAILS AND REQUIRE	ST PROVIDE THE RESULTS OF AT I			
POLLUTANT AND CAS. NO.	MAF	RK "X"	MAXIMUM DAILY VALUE	
(IF AVAILABLE)	(a) PRESENT	(b) ABSENT	CONCENTRATION	MASS
Bromide (24959-67-9)				
Total Residual Chlorine				
Color				
Fecal Coliform				
Fluoride (16984-48-8)				
Nitrate/Nitrite (as N)				
Nitrogen, Total Organic (as N)				
Oil and Grease				
Total Phosphorus (as P) (7723-14-0)				
Radioactivity				
Alpha, Total				
Beta, Total				
Radium, Total				
		1	1	

Sufficiants Surfactants Surfac	9.00 DATA (CONTINUED)				
(a) PRESENT (b) ABSENT CONCENTRATION MASS Sulfate (as SO') (14808 79 8) Sulfate (as SO') (14808 79 8) Sulfate (as SO') (14808 79 8) Sulfate (as SO') Surfactaris Aluminum, Total (7429-90-5) Bartum, Total (7440-93-3) Boron, Total (7440-93-3) Boron, Total (7440-93-3) Boron, Total (7439 95 4) Magpresium, Total (7439 95 4) Magpresium, Total (7439 95 5) Inn, Total (7439 95 5) Inn, Total (7440-33-8) Titanium, Total (7440-38-6) M. Arrismon, Total (7440-38-0) M. Arrismon, Total (7440-38-0) M. Arrismon, Total (7440-38-0) M. Cadmirum, Total (7440-48-9) M. Cadmirum, Total (7440-48-9) M. Lead, Total (7440-48-9) M. Marcury, Total (7440-69-0) M. Marcury, Total (7440-69-0) M. Silver, Total (7440-68-6) M. Marcury, Total (7440-6	POLLUTANT AND CAS. NO.	MAR	K "X"	MAXIMUM DA	AILY VALUE
Sulfide (as S) Sulfide (as SO*) Surfactants Numinum, Total (7429-90-5) Surfactants Numinum, Total (7449-93-9) Soron, Total (7449-89-3) Soron, Total (7449-89-4) Soron, Total (7439-95-4) Molyotherum, Total (7439-95-4) Molyotherum, Total (7439-96-5) Titanium, Total (7439-96-5) Titanium, Total (7439-96-5) Titanium, Total (7449-96-5) Titanium, Total (7449-98-8) M. Arsenic, Total (7449-98-8) M. Arsenic, Total (7449-98-9) M. Berglium, Total (7449-98-9) M. Cadmium, Total (7449-98-9) M. Copper, Total (7449-98-9) M. Copper, Total (7449-98-9) M. McCopper, Total (7449-98-9) M. McCopper, Total (7449-98-9) M. McCopper, Total (7449-98-9) M. McCopper, Total (749-98-9) M.	(IF AVAILABLE)	(a) PRESENT	(b) ABSENT	CONCENTRATION	MASS
Sufficiants Surfactants Surfac	Sulfate (as SO ⁴) (14808-79-8)				
Surfactants Aluminum, Total (7429-80-5) Alarium, Total (7440-39-9) Boron, Total (7440-39-9) Boron, Total (7440-8) Coolal, Total (7449-89-6) Magnesium, Total (7439-95-4) Molybdenum, Total (7439-95-4) Molybdenum, Total (7439-95-5) Tin, Total (7440-38-6) Tin, Total (7440-38-6) METALS, CYANIDE, AND TOTAL PHENOLS III. Animony, Total (7440-38-6) M. Animony, Total (7440-38-6) M. Animony, Total (7440-38-6) M. Arisenic, Total (7440-38-6) M. Cadmium, Total (7440-48-7) M. Cogmium, Total (7440-48-7) M. Cogmium, Total (7440-48-7) M. Mercury, Total (7440-48-7) M. Mercury, Total (7440-80-6) M. Mercury, Total (7440-80-6) M. Mercury, Total (7440-80-6) M. Mickel, Total (7440-80-6) M. Nickel, Total (7440-80-6) M. Mercury, Total (7480-80-6) M. Mercury, Total (7480-80-6) M. Mercury, Total	Sulfide (as S)				
Aluminum. Total (7440-99-5) Sarium. Total (7440-99-5) Sarium. Total (7440-48-8) Sobalt. Total (7440-48-8) Sobalt. Total (7440-48-8) Sobalt. Total (7440-88-8) Sobalt. Total (7439-96-6) Mangaresium. Total (7439-96-7) Mangarese, Total (7439-96-5) Tim. Total (7440-38-6) METALS. CYANIDE. AND TOTAL PHENOLS III. Artilimony. Total (7440-38-6) METALS. CYANIDE. AND TOTAL PHENOLS III. Artilimony. Total (7440-38-9) Sob. Artilimony. Total (7440-38-9) Sob. Chromium. Total (7440-44-7) Sob. Copper, Total (7440-44-7) Sob. Copper, Total (7440-44-7) Sob. Copper, Total (7439-97-6) Sob. M. Mercury. Total (7439-97-6) Sob. M. Mercury. Total (7439-97-6) Sob. M. Selenium. Total (7440-24-9) III. Silver. Total (7440-24-9) III. Silver. Total (7440-28-0) III. Silver. Total (7440-86-6) III. Silver. Total (7440-86-6) III. Silver. Total (7440-86-6) III. Silver. Total (7439-97-8) III. Silver. Total (7440-86-6) III. S	Sulfite (as SO³)				
Sarium, Total (7440-48-93) Soron, Total (740-42-8) Soron, Total (740-48-8) Soron, Total (740-48-4) Fron, Total (7439-89-6) Soron, Total (7439-89-6) Soron, Total (7439-89-6) Soron, Total (7439-89-7) Soron, Total (7439-89-7) Soron, Total (7439-89-7) Soron, Total (7440-31-5) Soron, Total (7440-31-5) Soron, Total (7440-31-5) Soron, Total (7440-31-6) Soron, Total (7440-31-7) Soron, Total (7440-31-7) Soron, Total (7440-31-7) Soron, Total (7440-41-7) Soron, Total (7440-41-7	Surfactants				
Soron, Total (740-42-8) Cobalt, Total (7440-48-4) ron, Total (7439-89-6) Magnesium, Total (7439-89-6) Magnesium, Total (7439-89-6) Magnesium, Total (7439-89-5) Ilitanium, Total (7440-38-7) Manganeso, Total (7440-38-7) Manganeso, Total (7440-38-6) METALS, CYANIDE, AND TOTAL PHENOLS Illt. Aritmony, Total (7440-38-0) METALS, CYANIDE, AND TOTAL PHENOLS M. Arsenic, Total (7440-38-0) M. Arsenic, Total (7440-38-0) M. Baryllium, Total (7440-48-9) M. Cadmium, Total (7440-48-9) M. Copper, Total (7450-50-8) P.M. Lead, Total (7439-97-6) M. Mercury, Total (7439-97-6) M. Mercury, Total (7440-24-92) M. M. Nickel, Total (7440-22-4) M. M. Nickel, Total (7440-28-0) M. M. Nickel, Total (740-68-6) M. M. Nickel, Total (74	Aluminum, Total (7429-90-5)				
Cobalt, Total (7440-48-4) ron, Total (7439-89-6) Magnesium, Total (7439-98-7) Manganese, Total (7439-98-7) Manganese, Total (7439-96-5) Tilianium, Total (7440-31-5) Tilianium, Total (7440-32-6) METALS, CYANIDE, AND TOTAL PHENOLS MI. Antimory, Total (7440-38-0) M. Arsimory, Total (7440-38-0) M. Beryllium, Total (7440-38-2) M. Beryllium, Total (7440-43-9) M. Cadmium, Total (7440-43-9) M. Copper, Total (7505-50-8) 7M. Lead, Total (7439-97-6) M. Microury, Total (7439-97-6) M. Nikel, Total (740-22-0) 10M. Selenium, Total (740-28-0) 13M. Zinc, Total (740-28-0) 13M. Zinc, Total (740-68-6) 14M. Cyanide, Total (740-68-6) 15M. Phenols, Total 2V. Acrylonitrile (107-13-1) 3V. Benzene (71-43-2) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromotorm (75-25-2) 3V. Carbon Tetracholoride (56-23-5)	Barium, Total (7440-39-3)				
ron, Total (7439-89-6) Magnesium, Total (7439-95-4) Molybdenum, Total (7439-96-5) Ilin, Total (7439-96-5) Ilin, Total (740-32-6) Illianium, Total (7440-32-6) Illianium, Total (7440-32-6) Illianium, Total (7440-32-6) Illianium, Total (7440-32-6) 2M. Arsenic, Total (7440-38-2) 3M. Beryllium, Total (7440-43-9) 3M. Cadmium, Total (7440-43-9) 3M. Copper, Total (7440-47-3) 3M. Copper, Total (7439-97-6) 3M. Mercury, Total (7439-97-6) 3M. Mercury, Total (7440-02-0) 10M. Selenium, Total (7440-28-0) 11M. Silver, Total (7440-28-0) 13M. Zinc, Total (7440-28-0) 13	Boron, Total (740-42-8)				
Magnesium, Total (7439-95-4) Molybdenum, Total (7439-96-5) Ilin, Total (7440-96-6) Ilin, Total (7440-98-6) Ilinahum, Total (7440-98-6) Ilitahum, Total (7440-32-6) METALS, CYANIDE, AND TOTAL PHENOLS Ili. Antimory, Total (7440-38-2) 3M. Beryilium, Total (7440-38-2) 3M. Beryilium, Total (7440-43-9) 3M. Copper, Total (7440-47-3) 3M. Copper, Total (7440-47-3) 3M. Mercury, Total (7439-97-6) 3M. Mercury, Total (7440-92-0) 10M. Selenium, Total (7440-28-0) 11M. Silver, Total (7440-28-0) 11M. Silver, Total (7440-28-0) 13M. Zinc, Total (7440-28-0) 13M. Zinc, Total (740-28-0) 13M. Zinc, Total (740-66-6) 14M. Cyanide, Total (57-12-5) 15M. Phenols, Total 3W. Karplenitric (107-13-1) 3W. Benzene (71-43-2) 4W. Bis (Chloromethyl) Ether (542-88-1) 3W. Benzene (77-43-2) 3W. Benzene (77-43-2)	Cobalt, Total (7440-48-4)				
Molybdenum, Total (7439-98-7) Manganese, Total (7449-98-5) Tin, Total (7440-31-5) Titanium, Total (7440-32-6) METALS, CYANIDE, AND TOTAL PHENOLS IM. Antimory, Total (7440-38-0) 2M. Arsenic, Total (7440-38-0) 2M. Arsenic, Total (7440-41-7) MM. Cadmium, Total (7440-9-9) MM. Copper, Total (7439-97-6) MM. Mercury, Total (7439-97-6) MM. Mercury, Total (7439-97-6) MM. Mickel, Total (7440-20-0) MM. Selenium, Total (7440-22-4) MM. Selverium, Total (7440-28-0) MM. Selverium, Total (7440-28-0) MM. Cyanide, Total (5-12-5) MM. Cyanide, Total (5-12-5) MM. Cyanide, Total (5-12-5) MM. Cyanide, Total (7440-88-1) MM. Cyanide, Total (5-12-5) MM. Cyanide, Total (7440-88-1) MM. Cyanide, Total (5-12-5) MM. Selverium, Total (7440-88-1) MM. Cyanide, Total (5-12-5) MM. Cyanide, Total (5-12-5) MM. Selverium, Total (7440-88-1) MM. Selverium, Total (7440-88-1) MM. Cyanide, Total (5-12-5) MM. Selverium, Total (7440-88-1) MM. Selverium, T	Iron, Total (7439-89-6)				
Manganese, Total (7439-96-5) Tin, Total (7440-32-6) METALS, CYANIDE, AND TOTAL PHENOLS III. M. Antimory, Total (7440-38-0) 2M. Arsenic, Total (7440-38-2) 3M. Beryllium, Total (7440-41-7) 4M. Cadmium, Total (7440-41-7) 4M. Cadmium, Total (7440-43-9) 5M. Chromium, Total (7440-47-3) 5M. Chromium, Total (7440-47-3) 5M. Mercury, Total (7550-50-8) 7M. Lead, Total (7439-97-6) 5M. Mercury, Total (7440-20-0) 10M. Selenium, Total (7440-22-4) 11M. Silver, Total (7440-28-0) 13M. Zinc, Total (7440-28-0) 13M. Zinc, Total (7440-86-6) 14M. Cyanide, Total (57-12-5) 15M. Phenols, Total (57-12-5) 15M. Phenols, Total (37-40-28-8) 2V. Acrylonitrite (107-02-8) 2V. Acrylonitrite (107-03-1) 3V. Benzene (71-43-2) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromotorm (75-25-2) 5V. Carbon Tetracholoride (56-23-5)	Magnesium, Total (7439-95-4)				
Ini, Total (7440-31-5) Iitanium, Total (7440-32-6) METALS, CYANIDE, AND TOTAL PHENOLS IIM. Antimony, Total (7440-38-0) M. Arsenic, Total (7440-38-2) M. Beryllium, Total (7440-38-2) M. Cadmium, Total (7440-43-9) M. Cadmium, Total (7440-43-9) M. Cropper, Total (7450-43-8) M. Copper, Total (7459-97-6) M. Mercury, Total (7439-97-6) M. Mercury, Total (7439-97-6) M. Mickel, Total (7440-20-0) M. Nickel, Total (7440-28-0) M. Silver, Total (7440-28-0) M. Silver, Total (7440-28-6) M. Thallium, Total (7440-86-6) M. Cyanide, Total (57-12-5) M. Phenols, Total GC/MS FRACTION – VOLATILE COMPOUNDS IV. Acrolein (107-02-8) 2V. Acrylonitrite (107-13-1) M. Benzene (71-43-2) M. Bis (Chloromethyl) Ether (542-88-1) SV. Bromoform (75-25-2) SV. Carbon Tetracholoride (56-23-5)	Molybdenum, Total (7439-98-7)				
Intanium, Total (7440-32-6) METALS, CYANIDE, AND TOTAL PHENOLS IM. Antimony, Total (7440-38-0) 2M. Arsenic, Total (7440-38-2) 3M. Beryllium, Total (7440-41-7) 4M. Cadmium, Total (7440-43-9) 5M. Chromium, Total (7440-43-9) 5M. Copper, Total (7550-50-8) 7M. Lead, Total (7439-97-6) 3M. Mercury, Total (7439-97-6) 3M. Mercury, Total (7439-97-6) 3M. Nickel, Total (7440-20-0) 10M. Selenium, Total (7480-24-4) 11M. Silver, Total (7440-28-0) 11M. Silver, Total (7440-68-6) 11M. Cyanide, Total (57-12-5) 11SM. Phenols, Total GC/MS FRACTION - VOLATILE COMPOUNDS IV. Acrolein (107-02-8) 2V. Acrylonitrite (107-13-1) 3V. Benzene (71-43-2) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bronoform (75-25-2) 5V. Carbon Tetracholoride (56-23-5)	Manganese, Total (7439-96-5)				
METALS, CYANIDE, AND TOTAL PHENOLS IM. Antimony, Total (7440-38-0) 2M. Arsenic, Total (7440-38-2) 3M. Beryllium, Total (7440-41-7) 4M. Cadmium, Total (7440-43-9) 5M. Chromium, Total (7440-43-9) 5M. Copper, Total (7550-50-8) 7M. Lead, Total (7439-97-6) 3M. Mercury, Total (7439-97-6) 3M. Mercury, Total (7439-97-6) 3M. Nickel, Total (7440-02-0) 10M. Selenium, Total (7782-49-2) 11M. Silver, Total (7440-22-4) 12M. Thallium, Total (7440-66-6) 14M. Cyanide, Total (57-12-5) 15M. Phenols, Total 3GCMS FRACTION – VOLATILE COMPOUNDS IV. Acrolein (107-02-8) 2V. Acrolein (107-02-8) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromoform (75-25-2) 5V. Carbon Tetracholoride (56-23-5)	Tin, Total (7440-31-5)				
IM. Antimony, Total (7440-36-0) 2M. Arsenic, Total (7440-38-2) 3M. Beryllium, Total (7440-41-7) 3M. Cadmium, Total (7440-43-9) 5M. Chromium, Total (7440-47-3) 5M. Copper, Total (7550-50-8) 7M. Lead, Total (7439-97-6) 3M. Mercury, Total (7439-97-6) 3M. Mercury, Total (7440-02-0) 3M. Nickel, Total (7439-97-6) 3M. Nickel, Total (7440-22-4) 3M. Silver, Total (7440-22-4) 3M. Silver, Total (7440-22-4) 3M. Silver, Total (7440-66-6) 3M. Zinc, Total (7440-66-6) 3M. Zinc, Total (7440-80-0) 3M. Zinc, Zin	Titanium, Total (7440-32-6)				
2M. Arsenic, Total (7440-38-2) 3M. Beryllium, Total (7440-41-7) 4M. Cadmium, Total (7440-43-9) 5M. Chromium, Total (7440-47-3) 5M. Copper, Total (7550-50-8) 7M. Lead, Total (7439-97-6) 3M. Mercury, Total (7439-97-6) 3M. Mercury, Total (7440-02-0) 10M. Selenium, Total (7440-22-4) 11M. Silver, Total (7440-22-4) 12M. Thallium, Total (7440-28-0) 13M. Zinc, Total (7440-66-6) 14M. Cyanide, Total (57-12-5) 15M. Phenols, Total 3GC/MS FRACTION – VOLATILE COMPOUNDS 1V. Acroleni (107-02-8) 2V. Acrylonitrite (107-13-1) 3V. Benzene (71-43-2) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromoform (75-25-2) 5V. Carbon Tetracholoride (56-23-5)	METALS, CYANIDE, AND TOTAL PHENOLS	<u> </u>			
SM. Beryllium, Total (7440-41-7) 4M. Cadmium, Total (7440-43-9) 5M. Chromium, Total (7440-47-3) 5M. Copper, Total (750-50-8) 7M. Lead, Total (7439-97-6) 3M. Mercury, Total (7439-97-6) 3M. Nickel, Total (7439-97-6) 3M. Nickel, Total (7440-02-0) 10M. Selenium, Total (7782-49-2) 11M. Silver, Total (7440-22-4) 12M. Thallium, Total (7440-28-0) 13M. Zinc, Total (7440-66-6) 14M. Cyanide, Total (57-12-5) 15M. Phenols, Total GC/MS FRACTION – VOLATILE COMPOUNDS 11V. Acrolein (107-02-8) 2V. Acrylonitrite (107-13-1) 3V. Benzene (71-43-2) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromoform (75-25-2) 5V. Carbon Tetracholoride (56-23-5)	1M. Antimony, Total (7440-36-0)				
AM. Cadmium, Total (7440-43-9) 5M. Chromium, Total (7440-47-3) 5M. Copper, Total (7550-50-8) 7M. Lead, Total (7439-97-6) 3M. Mercury, Total (7439-97-6) 3M. Mickel, Total (7440-02-0) 10M. Selenium, Total (7782-49-2) 11M. Silver, Total (7440-22-4) 12M. Thallium, Total (7440-28-0) 13M. Zinc, Total (7440-66-6) 14M. Cyanide, Total (57-12-5) 15M. Phenols, Total GC/MS FRACTION – VOLATILE COMPOUNDS 1V. Acrolein (107-02-8) 2V. Acrylonitrite (107-13-1) 3V. Benzene (71-43-2) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromoform (75-25-2) 5V. Carbon Tetracholoride (56-23-5)	2M. Arsenic, Total (7440-38-2)				
5M. Chromium, Total (7440-47-3) 5M. Copper, Total (7550-50-8) 7M. Lead, Total (7439-97-6) 3M. Mercury, Total (7439-97-6) 3M. Nickel, Total (7440-02-0) 10M. Selenium, Total (7782-49-2) 11M. Silver, Total (7440-22-4) 112M. Thallium, Total (7440-28-0) 13M. Zinc, Total (7440-66-6) 14M. Cyanide, Total (57-12-5) 15M. Phenols, Total GC/MS FRACTION – VOLATILE COMPOUNDS 1V. Acrolein (107-02-8) 2V. Acrylonitrite (107-13-1) 3V. Benzene (71-43-2) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromoform (75-25-2) 5V. Carbon Tetracholoride (56-23-5)	3M. Beryllium, Total (7440-41-7)				
SM. Copper, Total (7550-50-8) 7M. Lead, Total (7439-97-6) 3M. Mercury, Total (7439-97-6) 3M. Mercury, Total (7449-92-0) 10M. Selenium, Total (7782-49-2) 11M. Silver, Total (7440-22-4) 112M. Thallium, Total (7440-28-0) 13M. Zinc, Total (7440-66-6) 14M. Cyanide, Total (57-12-5) 15M. Phenols, Total GC/MS FRACTION – VOLATILE COMPOUNDS 1V. Acrolein (107-02-8) 2V. Acrylonitrite (107-13-1) 3V. Benzene (71-43-2) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromoform (75-25-2) 5V. Carbon Tetracholoride (56-23-5)	4M. Cadmium, Total (7440-43-9)				
7M. Lead, Total (7439-97-6) 3M. Mercury, Total (7439-97-6) 3M. Nickel, Total (7440-02-0) 3M. Nickel, Total (7440-02-0) 3M. Nickel, Total (7782-49-2) 3M. Selenium, Total (7782-49-2) 3M. Silver, Total (7440-22-4) 3M. Silver, Total (7440-28-0) 3M. Zinc, Total (7440-66-6) 3M. Zinc, Total (7440-66-6) 3M. Zinc, Total (7440-66-6) 3M. Zinc, Total (7440-68-6) 3M. Zinc, Tot	5M. Chromium, Total (7440-47-3)				
3M. Mercury, Total (7439-97-6) 3M. Nickel, Total (7440-02-0) 3M. Nickel, Total (77440-02-0) 3M. Nickel, Total (7782-49-2) 3M. Selenium, Total (7782-49-2) 3M. Silver, Total (7440-22-4) 3M. Zinc, Total (7440-66-6) 3M. Zinc, Total (7440-66-6) 3M. Zinc, Total (57-12-5) 3M. Phenols, Total 3M. Phenols, Total 3M. Acrolein (107-02-8) 3M. Acrolein (107-03-8) 3M. Benzene (71-43-2) 3M. Benzene (71-43-2) 3M. Bis (Chloromethyl) Ether (542-88-1) 3M. Bromoform (75-25-2) 3M. Carbon Tetracholoride (56-23-5)	6M. Copper, Total (7550-50-8)				
9M. Nickel, Total (7440-02-0) 10M. Selenium, Total (7782-49-2) 11M. Silver, Total (7440-22-4) 12M. Thallium, Total (7440-28-0) 13M. Zinc, Total (7440-66-6) 14M. Cyanide, Total (57-12-5) 15M. Phenols, Total 15M. Phenols, Total 15M. Acrolein (107-02-8) 17V. Acrolein (107-03-1) 18V. Benzene (71-43-2) 18V. Bis (Chloromethyl) Ether (542-88-1) 18V. Bromoform (75-25-2) 18V. Carbon Tetracholoride (56-23-5)	7M. Lead, Total (7439-97-6)				
10M. Selenium, Total (7782-49-2) 11M. Silver, Total (7440-22-4) 12M. Thallium, Total (7440-28-0) 13M. Zinc, Total (7440-66-6) 14M. Cyanide, Total (57-12-5) 15M. Phenols, Total GC/MS FRACTION – VOLATILE COMPOUNDS 1V. Acrolein (107-02-8) 2V. Acrylonitrite (107-13-1) 3V. Benzene (71-43-2) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromoform (75-25-2) 6V. Carbon Tetracholoride (56-23-5)	8M. Mercury, Total (7439-97-6)				
11M. Silver, Total (7440-22-4) 12M. Thallium, Total (7440-28-0) 13M. Zinc, Total (7440-66-6) 14M. Cyanide, Total (57-12-5) 15M. Phenols, Total GC/MS FRACTION – VOLATILE COMPOUNDS 1V. Acrolein (107-02-8) 2V. Acrylonitrite (107-13-1) 3V. Benzene (71-43-2) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromoform (75-25-2) 6V. Carbon Tetracholoride (56-23-5)	9M. Nickel, Total (7440-02-0)				
12M. Thallium, Total (7440-28-0) 13M. Zinc, Total (7440-66-6) 14M. Cyanide, Total (57-12-5) 15M. Phenols, Total GC/MS FRACTION – VOLATILE COMPOUNDS 1V. Acrolein (107-02-8) 2V. Acrylonitrite (107-13-1) 3V. Benzene (71-43-2) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromoform (75-25-2) 6V. Carbon Tetracholoride (56-23-5)	10M. Selenium, Total (7782-49-2)				
13M. Zinc, Total (7440-66-6) 14M. Cyanide, Total (57-12-5) 15M. Phenols, Total GC/MS FRACTION – VOLATILE COMPOUNDS 1V. Acrolein (107-02-8) 2V. Acrylonitrite (107-13-1) 3V. Benzene (71-43-2) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromoform (75-25-2) 6V. Carbon Tetracholoride (56-23-5)	11M. Silver, Total (7440-22-4)				
14M. Cyanide, Total (57-12-5) 15M. Phenols, Total GC/MS FRACTION – VOLATILE COMPOUNDS 1V. Acrolein (107-02-8) 2V. Acrylonitrite (107-13-1) 3V. Benzene (71-43-2) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromoform (75-25-2) 6V. Carbon Tetracholoride (56-23-5)	12M. Thallium, Total (7440-28-0)				
15M. Phenols, Total GC/MS FRACTION – VOLATILE COMPOUNDS 1V. Acrolein (107-02-8) 2V. Acrylonitrite (107-13-1) 3V. Benzene (71-43-2) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromoform (75-25-2) 6V. Carbon Tetracholoride (56-23-5)	13M. Zinc, Total (7440-66-6)				
GC/MS FRACTION – VOLATILE COMPOUNDS 1V. Acrolein (107-02-8) 2V. Acrylonitrite (107-13-1) 3V. Benzene (71-43-2) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromoform (75-25-2) 6V. Carbon Tetracholoride (56-23-5)	14M. Cyanide, Total (57-12-5)				
1V. Acrolein (107-02-8) 2V. Acrylonitrite (107-13-1) 3V. Benzene (71-43-2) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromoform (75-25-2) 6V. Carbon Tetracholoride (56-23-5)	15M. Phenols, Total				
2V. Acrylonitrite (107-13-1) 3V. Benzene (71-43-2) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromoform (75-25-2) 6V. Carbon Tetracholoride (56-23-5)	GC/MS FRACTION – VOLATILE COMPOUN	IDS			
3V. Benzene (71-43-2) 4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromoform (75-25-2) 6V. Carbon Tetracholoride (56-23-5)	1V. Acrolein (107-02-8)				
4V. Bis (Chloromethyl) Ether (542-88-1) 5V. Bromoform (75-25-2) 6V. Carbon Tetracholoride (56-23-5)	2V. Acrylonitrite (107-13-1)				
5V. Bromoform (75-25-2) 6V. Carbon Tetracholoride (56-23-5)	3V. Benzene (71-43-2)				
6V. Carbon Tetracholoride (56-23-5)	4V. Bis (Chloromethyl) Ether (542-88-1)				
	5V. Bromoform (75-25-2)				
7V. Cholorenzene (108-90-7)	6V. Carbon Tetracholoride (56-23-5)				
	7V. Cholorenzene (108-90-7)				

POLLUTANT AND CAS. NO.	MARK "X"		MAXIMUM DAILY VALUE		
(IF AVAILABLE)	(a) PRESENT	(b) ABSENT	CONCENTRATION	MASS	
GC/MS FRACTION – VOLATILE COMPOUN	IDS				
8V. Cholodibromomethane (124-48-1)					
9V. Chloroethane (75-00-3)					
10V. 2-Chloroethylvinyl Ether (110-75-8)					
11V. Chloroform (67-66-3)					
12V. Dichlorobromomethane (75-27-4)					
13V. Dichlorodifluoromethane (75-71-8)					
14V. 1,1-Dichloroethane (75-34-3)					
15V. 1,2-Dichloroethane (107-06-2)					
16V. 1,1-Dichloroethylene (75-35-4)					
17V. 1,2-Dichloropropane (78-87-5)					
18V. 1,2-Dichloropropylene (542-75-6)					
19V. Ethylbenzene (100-41-4)					
20V. Methyl Bromide (74-83-9)					
21V. Methyl Chloride (74-87-3)					
22V. Methylene Chloride (75-09-2)					
23V. 1,1,2,2-Tetrachlorothane (79-35-4)					
24V. Tetrachloroethylene (127-18-4)					
25V. Toluene (106-88-3)					
26V. 1,2-Trans Dichloroethylene (156-60-5)					
27V. 1,1,1-Trichloroethane (71-55-6)					
28V. 1,1,2-Trichloroethane (79-00-5)					
29V. Trichloroethylene (79-01-6)					
30V. Tricholorluoromethane (75-89-4)					
31V. Vinyl Chloride (75-01-4)					
GS/MS FRACTION – ACID COMPOUNDS					
1A. 2-Chloropheno (95-57-8)					
2A. 2,4-Dichlorophenol (120-83-2)					
3A. 2,4-Dimethylphenol (105-67-9)					
4A. 4,6-Dinitro-O-Cresol (534-52-1)					
5A. 2,4-Dinitrophenol (51-28-5)					
6A. 2-Nitrophenol (88-75-5)					
7A. 4-Nitrophenol (100-82-7)					
BA. P-Chloro-M-Cresol (59-50-7)					
9A. Pentachlorophenol (87-86-5)					
10A. Phenol (106-95-2)					
11A. 2,4,6-Trichlorophenol (88-06-2)					

POLLUTANT AND CAS. NO.	MARK "X"		MAXIMUM DAILY VALUE		
(IF AVAILABLE)	(a) PRESENT	(b) ABSENT	CONCENTRATION	MASS	
 GC/MS FRACTION – BASE/NEUTRAL COMI	` '	(5) 7.552.77	CONCENTION		
1B. Acenaphthene (83-32-9)					
2B. Acenaphtylene (208-96-8)					
3B. Anthracene (120-12-7)					
4B. Benzidine (92-87-5)					
5B. Benzo (a) Anthracene (56-55-3)					
6B. Benzo (a) Pyrene (50-32-8)					
7B. 3,4-Benzofluoranthene (205-99-2)					
BB. Benzo (ghi) Perylene (191-24-2)					
9B. Benzo (k) Fluoranthene (207-08-9)					
10B. Bis (2-Chloroethoxy) Methane (111-91-1)					
11B. Bis (2-Chloroethyl) Ether (111-44-4)					
12B. Bis (2-Chloroisopropyl) Ether (39638-32-9)					
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)					
14B. 4-Bromophenyl Phenyl Ether (101-55-3)					
15B. Butyl Benzyl Phthalate (85-68-7)					
16B. 2-Chloronaphthalene (91-58-7)					
17B. 4-Chloronaphenyl (7005-72-3)					
18B. Chrysene (218-01-9)					
19B. Dibenzo (a,h) Anthracene (53-70-3)					
20B. 1,2-Dichlorobenzene (95-50-1)					
21B. 1,3-Dichlorobenzene (541-73-1)					
22B. 1,4-Dichlorobenzene (106-46-7)					
23B. 3,3-Dichlorobenzidine (91-94-1)					
24B. Diethyl Phthalate (84-66-2)					
25B. Dimethyl Phthalate (113-11-3)					
26B. Di-N-Butyl Phthalate (84-74-2)					
27B. 2,4-Dinitrotoluene (121-14-2)					
28B. 2,6-Dinitrotoluene (606-20-2)					
29B. Di-N-Octyl Phthalate (117-84-0)					
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)					
31B. Fluoranthene (206-44-0)					
32B. Fluorene (86-73-7)					
33B. Hexachlorobenzene (118-71-1)					
34B. Hexachlorobutadiene (87-68-3)					
35B. Hexachlorocyclopentadiene (77-47-4)					
36B. Hexachloroethane (67-72-1)					
37B. Indeno (1,2,3-c,d) Pyrene (193-39-5)					

9.00 DATA (CONTINUED)				
POLLUTANT AND CAS. NO.	MARK "X"		MAXIMUM DAILY VALUE	
(IF AVAILABLE)	(a) PRESENT	(b) ABSENT	CONCENTRATION	MASS
GC/MS FRACTION – BASE/NEUTRAL COM	POUNDS (CONTINUE	D)		
38B. Isophorone (78-59-1)				
39B. Naphthalene (91-20-3)				
40B. Nitrobenzene (98-95-3)				
41B. N-Nitrosodimethylamine (62-75-9)				
42B. N-Nitrosodi-N-Propylamine (621-64-7)				
43B. N-Nitrosodiphenylamine (83-30-6)				
44B. Phenanthrene (85-01-8)				
45B. Pyrene (129-00-0)				
46B. 1,2,4-Trichlorobenzene (120-82-1)				
GC/MS FRACTION – PESTICIDES		Ī		
1P. Aldrin (309-00-2)				
2P. α-BHC (319-84-6)				
3P. β-BHC (319-85-7)				
4P. χ-BHC (58-89-9)				
5P. δ-BHC (319-86-8)				
6P. Chlordane (57-74-9)				
7P. 4,4-DDT (50-29-3)				
BP. 4,4-DDE (72-55-9)				
9P. 4,4-DDD (72-54-8)				
10P. Dieldrin (60-57-1)				
11P. α-Endosulfan (115-29-7)				
12P. β-Endosulfan (115-29-7)				
13P. Endosulfan (1031-07-8)				
14P. Endrin (72-20-8)				
15P. Endrin (7421-93-4)				
16P. Heptachlor (76-44-8)				
17P. Heptachlor Epoxide (1024-57-3)				
18P. PCB-1242 (53469-21-9)				
19P. PCB-1254 (11097-69-1)				
20P. PCB-1221 (11104-28-2)				
21P. PCB-1232 (11141-16-5)				
22P. PCB-1248 (12672-29-6)				
23P. PCB-1260 (11096-82-5)				
24P. PCB-1016 (12674-29-6)				
25P. Toxaphene (8001-35-2)				
DIOXIN				
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			DESCRIBE RESULTS	
O 780-1826 (1-03)				

INSTRUCTIONS FOR FORM UIC - APPLICATION FOR CLASS V PERMIT

Please read these instructions carefully before completing the application. Send a signed application along with appropriate permit fee to the Water Pollution Control Program, PO Box 176, Jefferson City, MO 65102. Please make your check payable to State of Missouri.

1.0 ACTION REQUESTED

Construction Permit Application - Check only if the application is for a permit to construct an injection/recovery well system. Operating Permit Application - Check only if the application is for a permit to operate an injection/recovery well system. Operating Permit Renewal Application - Check only if the application is for a renewal of an existing permit.

2.0 FACILITY INFORMATION

Name - The site-specific name of the facility where the injection/recovery operation is to be conducted.

Address - Physical address of the site-specific facility.

- 2.1 Construction Permit Number provide the UIC construction permit number that the injection/recovery system was constructed under, if this application is for an operating permit for the same facility.
- 2.2 Operating Permit Number include only the facility's NPDES or UIC permit number(s) if one or more are in effect. If multiple Class V permits are presently in effect, attach a separate list.
- 2.3 Facility Location provide location data.

3.0 OWNER INFORMATION

Name the individual, institution, agency or corporation that owns the facility.

4.0 CONTINUING AUTHORITY INFORMATION

Name the permanent organization that will serve as the continuing authority for the operation, maintenance, and modernization of the facility.

5.0 FACILITY CONTACT

Name the individual within the facility, or operator, most able to supply information about the direct operation of the injection/recovery operation.

6.0 GENERAL INFORMATION

- 6.1 Purpose of injection/recovery attach separate pages if needed. Include all or portions of an engineering report containing information needed by the owner, continuing authority, and the Department of Natural Resources to fully describe the purpose of the injection/recovery system.
- 6.2 Description of the injection/recovery process attach separate pages if needed. Include all or portions of the engineering report required by #2 above, or submit a separate detailed description of all elements or the product, treatment and injection system required to allow the owner, continuing authority or the Department of Natural Resources to adequately review the system.
 - The geologic report should contain, at a minimum: a description of the injection/recovery well pattern; a description of the injection zone including details of lithology, hydrology, and unique features of the injection zone and relevant formation; injection and recovery timeframes; systems for transporting, storing, mixing, metering, and introducing injection materials; recovery fluid gathering systems, treatment or recycling, and disposal systems.
- 6.3 Biological Agents list and describe all biological agents to be injected, including: scientific names; whether or not the agents are native to the formations involved; list of available literature relevant to the use of the agents for the injection operation; their population and nutrient dynamics under proposed operating conditions; discussion and supporting literature regarding potential health and/or environmental impacts of the agents and their metabolites in and downgradient of the injection zone; and after completion of the operation; results of laboratory tests conducted by or for the facility relevant to the injection/recovery operation.
- 6.4 Hazardous Waste will the process involve hazardous wastes as defined by federal and state hazardous waste laws?
- 6.5 Surface Discharge if needed, contact the Water Pollution Control Program for a State Operating Permit application at least 180 days prior to any planned discharge.
- 6.6 Give total estimated amounts of materials to be injected.
- 6.7 Describe how injected chemicals will be withdrawn to pre-injection levels.
- 6.8 Provide analytical data on the pre-injection concentrations of substances to be injected, if these substances are already present in the groundwater. Examples: manganese, if potassium permanganate is injected; or BOD, if a biological agent is to be injected.

	TRUCTIONS FOR FORM UIC – APPLICATION FOR CLASS V PERMIT (CONTINUED)
7.0	OTHER WELL TYPES ON SITE
	If there are existing wells already on site, give the type, number at location and status.
8.0	SIGNATURE
	The application must be signed by a geologist registered in the State of Missouri or other groundwater professional registered in the State of Missouri.
9.0	DATA
	9.1 This section must be completed if injection is into an aquifer. It must be completed prior to injection. At least one (1) analysis must be completed for each pollutant listed.
	9.2 Mark an "X" for each pollutant believed to be present or absent in the groundwater. If present, at least one (1) analysis must be completed for that pollutant.
ADI	DITIONAL FORMS
AU	To apply for termination of this permit, you must submit a completed Form J. Also attach analyses from samples taken after project completion. These analyses must indicate that concentrations of remediated pollutants have not increased from pre-project concentrations.
MO 78	0-1826 (12-02)